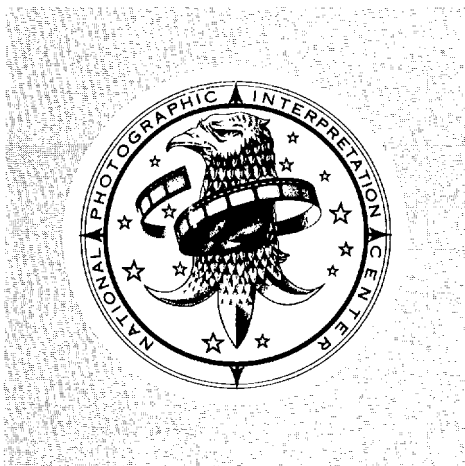


V.R.



NATIONAL PHOTOGRAPHIC
INTERPRETATION CENTER

**PHOTOGRAPHIC
INTERPRETATION
REPORT**

**POL STORAGE AND PIPELINE SYSTEM
UNDER CONSTRUCTION HON GAI-TIEU GIAO AREAS,
NORTH VIETNAM**

SECRET

NO FOREIGN DISSEM

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W A R N I N G

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POL STORAGE AND PIPELINE SYSTEM UNDER CONSTRUCTION,
HON GAI-TIEU GIAO AREAS, NORTH VIETNAM

ABSTRACT

1. A major POL handling and distribution system has been observed under construction north of Haiphong, North Vietnam. [REDACTED] segments of construction have been observed as far west as 29 nautical miles (nm) from Hon Gai. The system utilizes a dual pipeline network with one major storage area and one possible storage area, both of which were seen under construction.

25X1D

2. This report contains text, selected photographs, and a location map depicting intelligence available through [REDACTED]

25X1D

BASIC DESCRIPTION

3. A new POL storage and pipeline system was recently observed under construction west of Hon Gai and along Route 18, North Vietnam. On photography of [REDACTED] a POL storage area was under construction at Tieu Giao, a possible POL storage area was under construction between Tieu Giao and Hon Gai, and a segment of dual pipeline was under construction along Route 18, where two segments of completed dual pipeline were also observed (Figure 1).

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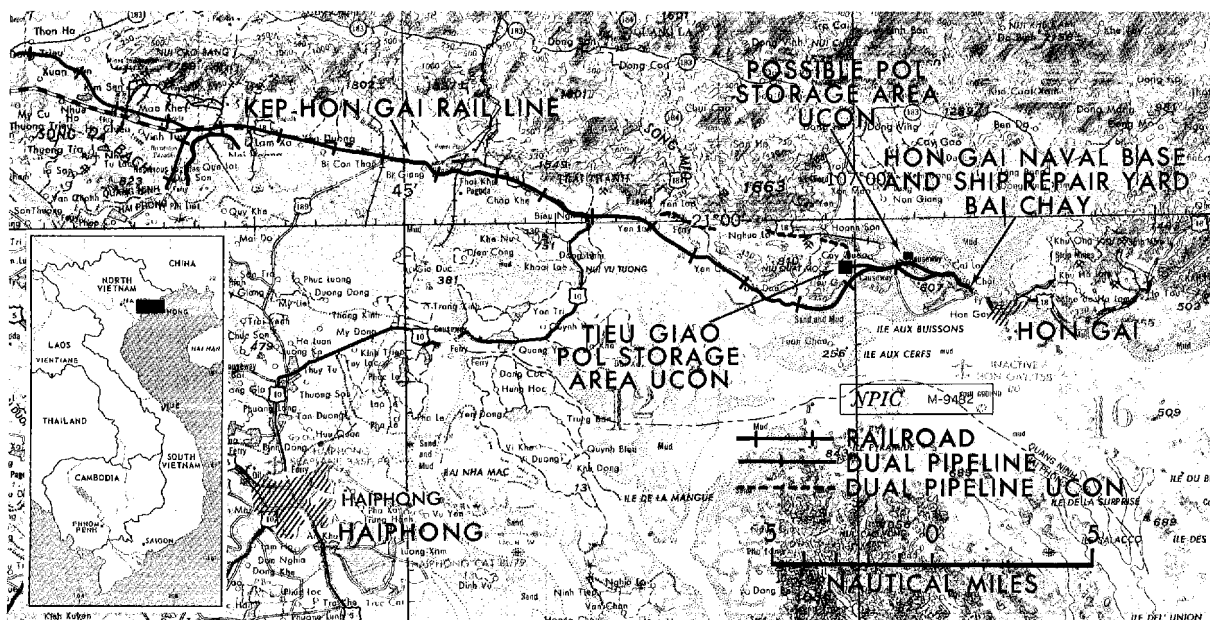


FIGURE 1. POL STORAGE AND PIPELINE SYSTEM UNDER CONSTRUCTION, HON GAI-TIEU GIAO AREAS, NORTH VIETNAM

4. Extensive excavating, grading, and trenching were in progress at the POL storage area at Tieu Giao, 4.9 nautical miles (nm) west of Hon Gai. At least seven excavations, connected by trenching for service pipe, had been prepared for the placement of POL storage tanks. Fifty-one POL tanks were in the Tieu Giao storage area; 17 were in excavations. Each storage tank has an estimated capacity of 42 metric tons which is double the capacity of the tanks normally used in the operational pipeline and storage system in the North Vietnam panhandle.

5. Some of the POL pipe sections in the Tieu Giao storage area are approximately [REDACTED] approximately one and one-half times as long as the pipe sections commonly used in the panhandle system. Partially completed tank sections, tank end plates, and A-frame lifts were observed in a POL tank fabrication area (Figure 2).

25X1D

6. Thirty 21-metric ton (gasoline) storage tanks were in an area near the pipeline, 3.3 nm west of Hon Gai, but none had been permanently emplaced or tied into the line. This area may become a second storage area.

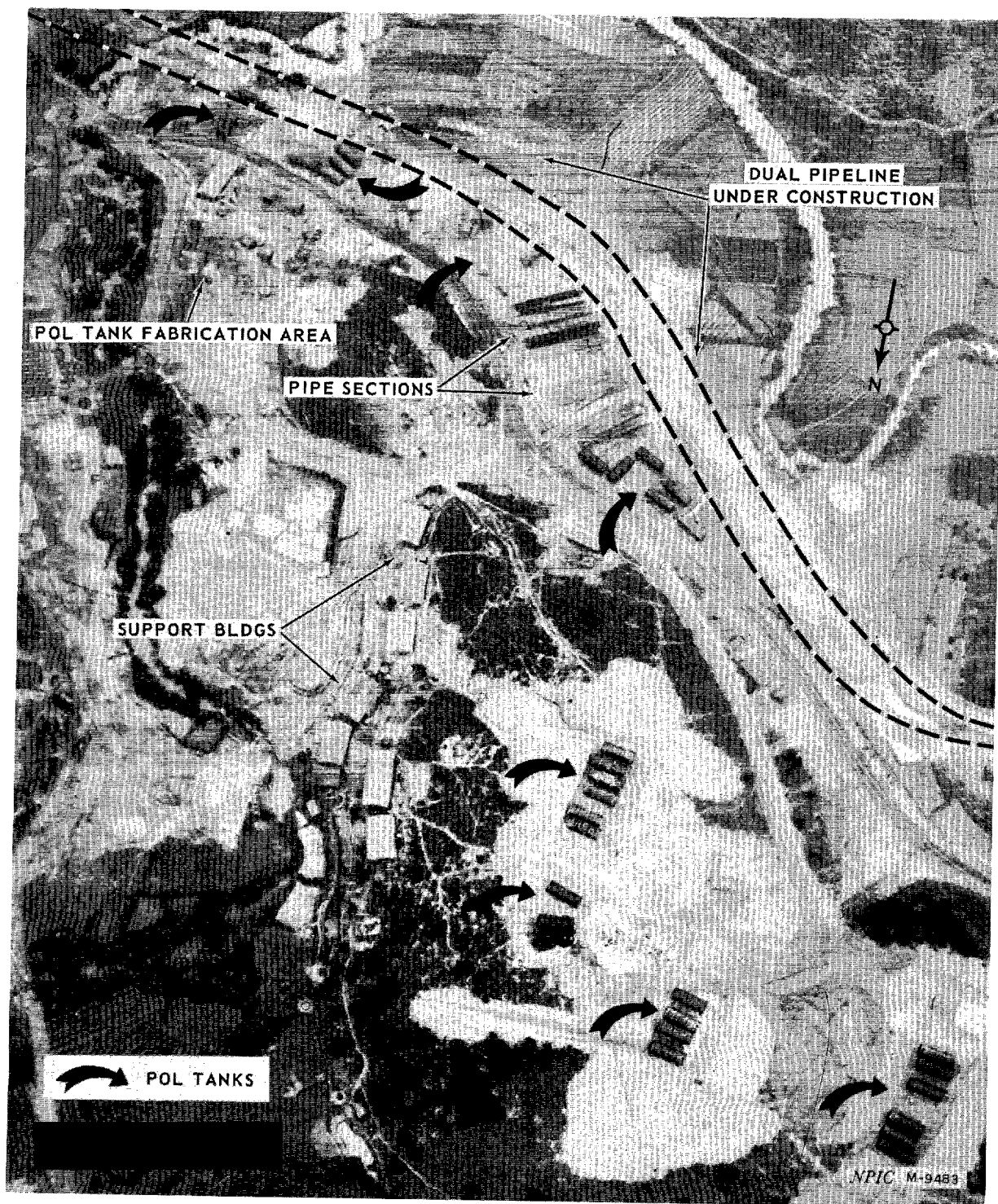
7. A completed dual pipeline extends 4.2 nm eastward from the Tieu Giao storage area and generally parallels the Kep-Hon Gai rail line to the Hon Gai Naval Base and Ship Repair Yard Bai Chay [REDACTED]. This installation was heavily damaged during the bombing period and appears to have no naval or ship repair function. The pipeline runs into this yard and apparently terminates within a few feet of the shore of Hon Gai Bay.

25X1A

8. A second segment of completed dual pipeline is located south of Route 18 and north of the Song Da Bach (River) in an area approximately 26 nm west of Hon Gai and 12 nm north-northwest of Haiphong. This segment is probably an extension of the pipeline from Tieu Giao; however, due to a 15-nm gap in photographic coverage, the joining of these two segments could not be confirmed. At one point along this 3-nm completed segment, two additional parallel pipes extend approximately 150 meters (492 feet); any further extension cannot be determined. At another point along this segment, stacks of two different lengths of POL pipe were observed. The longer appeared to be the same as the [REDACTED] pipe sections at the Tieu Giao storage area.

25X1D

9. A dual pipeline under construction extends westward from the Tieu Giao storage area. This segment generally parallels Route 18 to the Song Mio (River), 6.4 nm west of Tieu Giao. At this point clouds precluded further observation of this segment. When observed, construction on this segment consisted of ground clearing and parallel trenching.



25X1D

FIGURE 2. TIEU GIAO POL STORAGE AREA UNDER CONSTRUCTION, NORTH VIETNAM

Pipe was not visible in any of the trenches; however, pipe sections alongside the trenches immediately north of the Tieu Giao storage area were apparently being readied for emplacement (Figure 3). This pipe has an estimated diameter of [REDACTED] while the pipe used in the operational system in the panhandle has a [REDACTED]

25X1D

25X1D

10. Construction techniques used in this segment of pipeline differ from those that were used to install the pipeline in the North Vietnam panhandle and Laos. The pipeline system in the panhandle was constructed generally by manual labor; whereas construction and trenching machinery was used more extensively on the system west of Hon Gai. The only previously observed instances of dual pipeline in the system in Laos have been ingress or egress lines at pumping stations.

11. The size of the POL tanks, the size of the pipe, and the installation of a dual pipeline indicate that this system will probably be a major POL handling and distribution system.

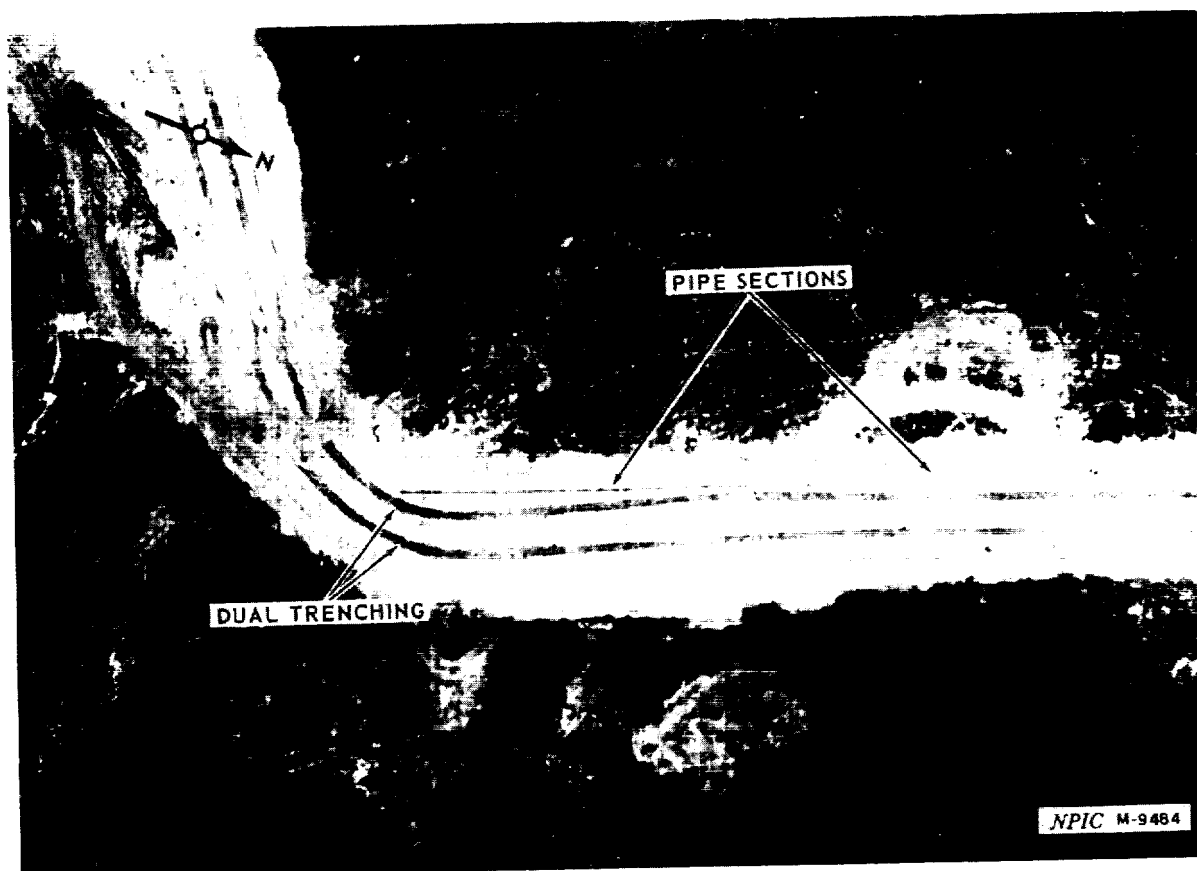
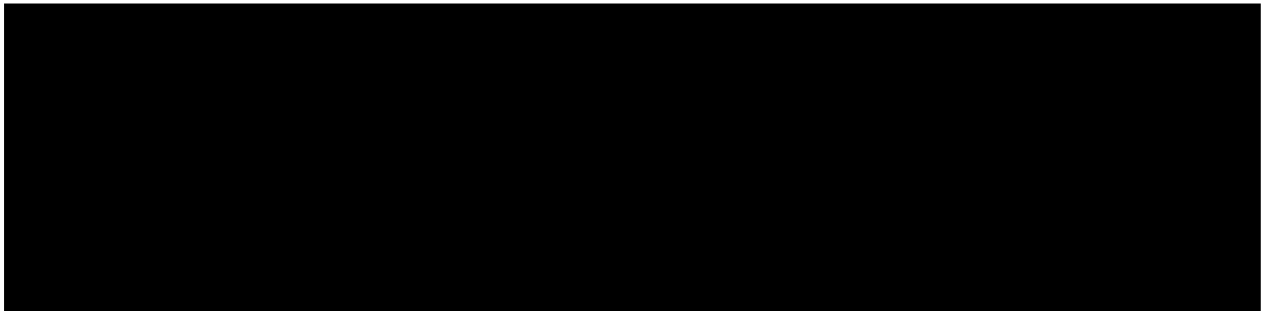


FIGURE 3. DUAL PIPELINE UNDER CONSTRUCTION, TIEU GIAO AREA, NORTH VIETNAM

REFERENCES

IMAGERY

25X1D



MAP OR CHARTS

AMS. Series L7014, Sheets 6350-I, 6351-II, 6351-III, 6450-IV, 6451-III, scale 1:50,000

USAF. Series JOG(A), Sheets NF 48-12, NF 48-16, scale 1:250,000

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